



Form GSOP 1-PIN (04/98)

STATE OF CALIFORNIA
Department of General Services - Office of Procurement

PURCHASE ORDER

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Purchase Order No. Rev. Date
62403 6/30/2009

Supplier No. 801847	Solicitation No. 57407	Delivery Date 45 Days ARO	FOB Point Destination	Invoice Terms
S h T i o P DEPT OF PUBLIC HEALTH SANITATION/RADIATION LAB 850 MARINA BAY PKWY,G-164 RICHMOND CA 94804		C h T r o g e DEPT OF PUBLIC HEALTH PURCHASING SERVICES UNIT 1501 CAPITOL AVE, MS1802 SACRAMENTO CA 95814		
Agency Billing 83644	Agency Purchase Estimate PO81170085680	Purchase Estimate 67473	Revision 0	
Agency Contact DADONG XU		Phone 510-620-2942	Date Received	

THERMO ELECTRON NORTH AMERICA
LLC
1400 NORTH POINTE PARKWAY
WEST PALM BEACH, FL 34407

Phone: 800-532-4752

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
THE GENERAL PROVISIONS FOR NON-IT COMMODITIES ARE HEREBY INCORPORATED BY REFERENCE. THESE GENERAL PROVISIONS CAN BE OBTAINED BY PHONING (916) 375-4400 OR BY ACCESSING OUR WEBSITE AT: www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf THE FOLLOWING INFORMATION IS PROVIDED FOR AGENCY USE ONLY: PRIME CONTRACTOR: NS						
1	1	EA	6630-171-0068-4	SPECTROMETER MASS Triple Quadrupole Mass Spectrometer per the attached specification # 6630-0688 of one (1) page, dated April 10, 2009.	139,500.0000	139,500.00
Brand: THERMO SCIENTIFIC TSQ Model: QUANTUM ACCESS IONMAX/ESI/APCI						
Total Value:					139,500.00	
This purchase order is being awarded on August 27, 2009 pursuant to Government Code Section 13332.17. Any encumbrances made pursuant to this purchase order shall be construed to have been made on the last day of the preceding fiscal year.						
This Purchase order has been registered into the state contact and procurement registration system (https://www.scprs.dgs.ca.gov/). The registration number is eP 1027086.						

Sales and/or use tax to be extra unless noted above

Buyer

GUS QUINTERO

Phone

916-375-4499

BOC Number

INSTALLATION

Set in place and make operational

All installation costs shall be included in the bid price. Supplier shall provide on-site certified field representative(s) to install hardware and software. Supplier shall unpack, install equipment and dispose/remove packing material from the premises. Supplier shall conduct calibration tests required to ensure that the system is operational and meets or exceeds specs.

MANUAL

A copy of the operating and service manual shall be furnished at the time of delivery. If there are any special tools required for normal operation, one set shall be provided.

TRAINING

The purchase price shall include at least 2 days of onsite training for two (2) operators.

DELIVERY

For the purposes of this solicitation, only bids quoted Free On Board (F.O.B.) Destination will be accepted.

Delivery is to be completed in full within 45 days after receipt of order ARO.

Delivery to be made during normal business hours Monday through Friday, 8:00am-12:00pm or 1:00pm-4:00pm, except State Holidays.

The Triple Quadrupole /Mass Spectrometer System shall be delivered to the following address:

Department of Public Health Services
Sanitation Radiation Lab
850 Marina Bay Pkwy G-164
Richmond, CA 94804

Note: In accordance with paragraph 15 of the General Provisions entitled "Delivery", the contractor shall strictly adhere to the delivery terms and completion schedule as specified in this solicitation. Failure to comply with the delivery requirements, as stated, may be considered a breach of contract and subject the contractor to General Provisions 26, entitled "Rights and Remedies of the State for Default".

WARRANTY

The system shall be fully warranted to be free from defects in materials and workmanship for a minimum period of 1 year from date of acceptance, or for the manufacturer's standard warranty term, if longer. The warranty shall include all parts and labor incurred by the contractor to maintain the system in new condition.

STANDARD COMMERCIAL PRODUCT

The System offered shall be in accordance with the requirements of Bid Specification 6630-0688. Features or components which are not specifically prohibited by this specification but which are a part of the manufacturer's standard commercial product or normally supplied, shall be included in the equipment being furnished. A standard commercial product is a product previously sold or is being currently offered for sale on the commercial market through advertisements or manufacturer's catalogs, or brochures, and represents the latest production model. The system shall meet OSHA safety requirements for the workplace.

CHANGE ORDER:

This Purchase Order may be amended, modified, or terminated at any time by mutual agreement of the parties in writing. Change orders amending, modifying or terminating the Purchase Order, including any modifications of the compensation payable, may be issued only by the State Procurement Officer. All such change orders shall be in writing and issued only upon written concurrence of the supplier. Termination, as that term is used in this section, does not include termination for default of the supplier.



1 SCOPE

This specification establishes the minimum requirements for a triple quadrupole Liquid Chromatography/Mass Spectrometer (LC/MS) for the Department of Public Health.

2 APPLICABLE SPECIFICATIONS

Specifications and standards referenced in this document in effect on the opening of the Invitation for Bid form a part of this specification.

3 REQUIREMENTS

3.1 The system shall consist of a triple quadrupole LC/MS and a data workstation.

3.2 Mass Spectrometer:

3.2.1 Shall cover the mass range from 15-1250 Dalton (da) or more.

3.2.2 Shall be equipped with sources for electrospray ionization (ESI) and atmospheric pressure chemical ionization (APCI).

3.2.3 The sensitivity in MS/MS mode with positive ESI shall be such that for a 1pg on-column injection of reserpine with a mobile phase flow rate of 400uL/min the signal-to-noise ratio for the 609/195 da transition shall be 100:1 or greater. The signal-to-noise ratio shall be based on 3 times the root-mean-square noise of the chromatographic baseline.

3.2.4 The mass spectrometer's scan speed shall be at least 2,400 da/sec.

3.2.5 The minimum dwell time in MRM mode shall be less than 5 milliseconds.

3.2.6 Shall perform positive/negative polarity switching with a switching time of 700ms or less.

3.2.7 The detector system shall have a dynamic range of 1×10^6 counts per second or higher.

3.2.8 Mass stability drift shall not exceed 0.15 da in 24 hours.

3.2.9 Mass accuracy shall be equal to or better than 0.1 between 15 and 1000 da.

3.2.10 Must be time programmable for positive/negative polarity switching and different modes of data collection.

3.2.11 Shall contain a quadrupole or hexapole collision cell with axial acceleration potential

3.3 Data System shall include all application software/hardware and system software:

3.3.1 Shall be capable of controlling both the Mass Spectrometer and an Agilent Technologies 1200 HPLC system.

3.3.2 Shall have automated tuning procedures for the optimization of the ion optics and mass calibration.

3.3.3 Shall be able to accommodate 200 or more MRM transitions per time window.